

Status

The claims in this application have been revised to voluntarily further clarify Applicant's unique invention.

Claim 38 has been cancelled by the present amendment and claims 79 through 114 have been added.

Mark-up claims Attached

A marked-up version of the changes made to the specification and/or claims by the current amendment is attached. The attached page is captioned "AMENDMENTS TO CLAIMS/ SPECIFICATION, VERSION WITH MARKINGS TO SHOW CHANGES MADE." Applicant has made a good faith effort to show each and every change in the "Mark Up" version, however, should there be any discrepancy between the "Corrected Copy" and the "Mark Up" version, only the "Corrected Copy" should be referred to as the intent of the Applicant.

Summary

Applicants have made a diligent effort to place the claims in condition for allowance. However, should there remain unresolved issues that require adverse action, it is respectfully requested that the Examiner telephone Robert N. Blackmon, Applicants' Attorney at 703-684-6858 so that such issues may be resolved as expeditiously as possible.

For these reasons, and in view of the above amendments, this application is now considered to be in condition for allowance and such action is earnestly solicited.

Dated: May 30, 2002

Respectfully submitted,

A handwritten signature in black ink, appearing to read 'R.N. Blackmon', written over a horizontal line.

Robert N. Blackmon

Reg. No. 39494

Attorney/Agent for Applicant(s)

Blackmon IPS & Law Office
2101 Crystal Plaza Arcade PMB#289
Arlington, Virginia 22202
Tel. 703-684-6858
Fax. 703-684-5637
E-mail: RNB@ BlackmonLaw.com

In the claims:

5. The system of Claim 4, wherein said communication medium is selected from the group of a homogenous and/or a plurality of heterogeneous mediums.

9. The system of Claim 7 4, wherein said collection of different communication applications include communication applications of same type and/or the same type but ~~different~~ diverse formats.

15. A method for communicating across at least ~~one~~ two communication media ~~medium~~, said method comprising:

receiving an address string ~~having the format of~~ comprising at least a telephone number of a target entity and terminating in a top level internet domain, and inputting said address string ~~inputted into~~ at least one communication application selected from a ~~collection of different types~~ plurality of diverse communication applications wherein the same address string can be validly inputted for any selected communication application ~~from said collection~~.

18. The method of Claim 15, wherein said ~~collection~~ plurality of diverse communication applications include communication applications ~~of same type and/or same type but different formats~~ having the same or diverse formats.

19. The method of Claim 15 48, wherein said communication application is a world wide web resource locator.

20. The method of Claim 15 48, wherein said communication application is a telephone service.

21. The method of Claim 15 48, wherein said communication application is an electronic mail application.

23. The method of Claim 22, said mapping further comprising:

translating each component of said address string to a corresponding predetermined number;

segmenting said translated components into at least one subset according to a predetermined segmenting format; and

re-sequencing said segmented components into an output string of a different sequence format from said inputted address string wherein said output string is in a predetermined re-sequencing format; ~~and~~

~~resolving said re-sequenced string into a corresponding valid address format.~~

25. The method of Claim 15, wherein said address string ~~is associated with at least one recipient entity~~ consists of a registered domain name.

37. A method for generating a valid Internet address for an Internet communication application, said method comprising:

receiving as input at least one inputted string;

differentiating between valid components and invalid components in said inputted string; and

removing at least one invalid component from said inputted string to form ~~forming~~ at least one valid Internet address for said Internet communication application from said valid components.

42. A system for generating a valid Internet address for ~~an~~ target Internet communication application or network device, said system comprising:

an input subsystem to receive as input at least one inputted string, wherein said inputted string comprises at least a telephone number of said target application or device dot delimited from and preceding a valid, registered domain name;

a processor subsystem to differentiate between valid components and invalid components in said inputted string; and

a configuration subsystem to form at least one valid Internet address for said Internet communication application from said valid components.

47. A method for converting an address string into a predetermined valid Internet address format of a target computer or internet device, said method comprising:

receiving as input at least one inputted address string comprising at least a telephone number of a target recipient dot delimited from and preceding a valid domain name, said address string including a plurality of alpha-numeric characters; and

re-sequencing said inputted string into an output string of a different sequence format from said inputted address string wherein said output string is in a predetermined Internet address format.

48. The method of Claim 47, said re-sequencing further comprising:
segmenting said inputted string into a plurality of ~~at least one~~ string subsets; and
sequentially re-assembling said plurality of subsets based on a corresponding predetermined hierarchical format wherein said format string is in a predetermined Internet address format.

49. The method of Claim ~~48~~ 45, wherein said segmenting include separating said inputted string into said plurality of string subsets in the format of numeric fields in a telephone number.

50. A method for converting an inputted electronic mail address into an Internet email address format, said method comprising:

receiving as input at least one inputted electronic mail address string comprising at least a telephone number of a target recipient dot delimited from and preceding a valid domain name, said address string including a plurality of alpha-numeric characters; and

converting said inputted string into an output string by modifying at least one of said characters wherein said output string is in a predetermined, valid email address format.

53. A method for operating domain name servers, said method comprising:
substantially dedicating at least one domain name server to serve one or more sub-level domain names wherein each said sub-level domain name is represented by at least one string of numbers ~~in~~ having the format of a telephone number.

54. The method of Claim 53, said method further comprising:
organizing said domain name servers to ensure said string of numbers are valid and connecting an originating domain name to at least one intended destination domain name via at least one communication application; and

utilizing an address-processing utility program to process said string of numbers into at least one format utilized by at least one said communication application; ~~and~~
~~providing administrative services for said domain name for proper administration of said domain name servers.~~

67. The method of Claim 66, said mapping further comprising:
mapping each non-numeric portion of said component of said address string to a corresponding number or symbol grouped in the format as represented on a 12 button telephone ~~dial buttons~~ key pad.

Claims 78-114 have been added in their entirety and thus not shown in "mark-up" as to do so would be redundant.